

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A pharmaceutical delivery vehicle, said delivery vehicle comprising:

C²
a drug particle having an initial mass disposed within a diffusional boundary layer comprising a matrix and a solubilizing agent, the diffusional boundary layer having a volume; said matrix and said solubilizing agent forming the diffusional boundary layer, the ratio of the initial mass of the drug particle M_p to the volume of the diffusional boundary layer V_{BL} defines a concentration of a an insoluble drug of the drug particle at a solid-liquid interface as

$$\frac{\delta}{SA \circ D} \frac{dm}{dt}$$

where δ is the thickness of the diffusional boundary layer, SA is the surface area of said drug particle available for dissolution, D is the diffusion coefficient of the drug in solid form, m is the mass of the drug particle in solid form, and t is time wherein said drug disposed in the drug particle has a ~~solubility~~ dissolution rate greater than twofold ~~that of~~ compared to said drug in a bulk powder form by maintaining ~~a region~~ adjacent to said drug particle ~~that contains~~ solubilizing agent micelles to solubilize ~~same~~ said drug from said drug particle through control of the volume of the diffusional boundary layer.

2. (Original) A delivery vehicle according to claim 1, wherein said solubilizing agent comprises a surfactant.

3. (Original) A delivery vehicle according to claim 1, wherein said solubilizing agent comprises an emulsion.

4. (Original) A delivery vehicle according to claim 3, wherein said emulsion comprises a microemulsion.

5. (Original) A delivery vehicle according to claim 1, wherein said solubilizing agent comprises lecithin.

C²
C³
C⁴
6. (Original) A delivery vehicle according to claim 1, wherein said matrix comprises a polymer.

7. (Original) A delivery vehicle according to claim 1, wherein said matrix comprises a film.

8. (Original) A delivery vehicle according to claim 6, wherein said polymer comprises a carbohydrate.

9. (Original) A delivery vehicle according to claim 8, wherein said carbohydrate comprises gelatin.

10. (Original) A delivery vehicle according to claim 1, wherein said boundary layer comprises said matrix embedded with said solubilizing agent.

11. (Previously Amended) A delivery vehicle according to claim 1, wherein said matrix encloses said drug particle and said solubilizing agent.

Claims 12-20 (Cancelled)
